

RADNOR®



MASTERCUT™

PLASMA CUTTING TORCH

- A GREATER VARIETY OF CONSUMABLES TO MEET ALL YOUR APPLICATION NEEDS
- MAXIMUM ARC VISIBILITY
- DRAG OR STANDOFF CUTTING AT ANY POWER LEVEL
- ERGONOMIC TORCH HANDLE FOR OPERATOR COMFORT AND CONTROL
- LOWER COST OF OPERATION
- MANUAL OR AUTOMATIC CUTTING





RADNOR
MASTERCUT™

PLASMA CUTTING TORCH

Torch Selection Guide

NEW Torch

MC40 Light Duty Torch 10-40 Amps

**FOR USE WITH
CUTMASTER 42**



| CAT NO. | DESCRIPTION |
|---|---------------------------------|
| Torch | |
| MC40 Hand Torch w/ ATC (10-40 Amps) | |
| 64006503 | MC40, 75°, 15' (5m) Torch/Leads |
| ATC Adapter Kit | |
| ATC Receptacle Adapter | |
| 64006539 | ATC Receptacle Connector |
| * This receptacle adapter is required for each power supply . This is connected to the torch adapter kit specific to each power supply. | |
| ATC Lead Extensions | |
| Lead Extensions - Standard | |
| 64006580 | 15' (4.5m) Lead Extension |
| 64006581 | 25' (7.6m) Lead Extension |
| 64006582 | 50' (15.2m) Lead Extension |



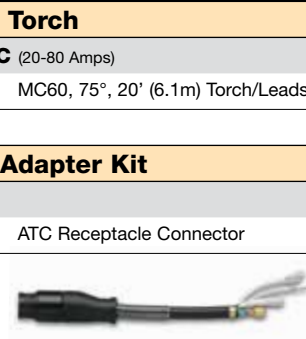
Ordering Information

Torches

MC60 Light/Medium Duty Torch 20-80 Amps



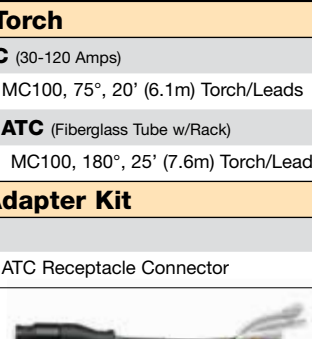
| CAT NO. | DESCRIPTION |
|---|-----------------------------------|
| Torch | |
| MC60 Hand Torch w/ ATC (20-80 Amps) | |
| 64006500 | MC60, 75°, 20' (6.1m) Torch/Leads |
| ATC Adapter Kit | |
| ATC Receptacle Adapter | |
| 64006539 | ATC Receptacle Connector |
| * This receptacle adapter is required for each power supply . This is connected to the torch adapter kit specific to each power supply. | |
| ATC Lead Extensions | |
| Lead Extensions - Standard | |
| 64006580 | 15' (4.5m) Lead Extension |
| 64006581 | 25' (7.6m) Lead Extension |
| 64006582 | 50' (15.2m) Lead Extension |



MC100 Medium/Heavy Duty Torch 30-120 Amps



| CAT NO. | DESCRIPTION |
|---|-------------------------------------|
| Torch | |
| MC100 Hand Torch w/ ATC (30-120 Amps) | |
| 64006501 | MC100, 75°, 20' (6.1m) Torch/Leads |
| MC100 Machine Torch w/ ATC (Fiberglass Tube w/Rack) | |
| 64006502 | MC100, 180°, 25' (7.6m) Torch/Leads |
| ATC Adapter Kit | |
| ATC Receptacle Adapter | |
| 64006539 | ATC Receptacle Connector |
| * This receptacle adapter is required for each power supply . This is connected to the torch adapter kit specific to each power supply. | |
| ATC Lead Extensions | |
| Lead Extensions - Standard | |
| 64006580 | 15' (4.5m) Lead Extension |
| 64006581 | 25' (7.6m) Lead Extension |
| 64006582 | 50' (15.2m) Lead Extension |



NOTES: *Total lead length including torch and extension(s), should not exceed the maximum length specified by the power supply manufacturer.

Consumables Selection Guide



Ordering Information



| Current Range | Mode of Operation | Amps | Electrode | Start Cartridge | Tip | Shield Cup | Shield Cup Body | Drag Shield Cup | Deflector | Gouging Shield Cup |
|---|---------------------|------------------|-----------|-----------------|----------|------------|-----------------|-----------------|-----------|--------------------|
| 20-40 Amps | Drag Tip/Cutting | 30A | 64006514 | 64006513 | 64006506 | 64006515 | | | | |
| | | 40A | | | 64006507 | 64006515 | | | | |
| | | 30A | | | 64006506 | | 64006523 | | 64006525 | |
| | Standoff Cutting | 40A | | | 64006507 | | 64006523 | | 64006525 | |
| | | 40A | | | 64006508 | 64006515 | | | | 64006524 |
| | | 40A | | | 64006508 | | 64006523 | | 64006525 | |
| Gouging | Tip A | 64006516 | | 64006523 | | | | | | |
| 50-60 Amps | Drag Tip/Cutting | 60A | 64006514 | 64006513 | 64006526 | 64006515 | | | | |
| | Standoff Cutting | 50-55A | | | 64006509 | 64006515 | | | | |
| | | 60A | | | 64006510 | 64006515 | | | | |
| | | 50-55A | | | 64006509 | | 64006523 | | 64006525 | |
| | Drag Shield Cutting | 50-55A | | | 64006510 | | 64006523 | | 64006525 | |
| | | 60A | | | 64006509 | | 64006523 | 64006521 | | |
| | Gouging | 60A | | | 64006510 | | 64006523 | 64006521 | | |
| | | Tip B | | | 64006517 | | 64006523 | | | 64006524 |
| | | Tip C | | | 64006518 | | 64006523 | | | 64006524 |
| | 70-100 Amps | Standoff Cutting | | | 70A | 64006514 | 64006513 | 64006520 | 64006515 | |
| 80A | | | 64006511 | 64006515 | | | | | | |
| 90A-100A | | | 64006512 | 64006515 | | | | | | |
| 70A | | | 64006520 | | 64006523 | | | | 64006525 | |
| Drag Shield Cutting | | 80A | 64006511 | | 64006523 | | | 64006525 | | |
| | | 90A-100A | 64006512 | | 64006523 | | | 64006525 | | |
| | | 70A | 64006520 | | 64006523 | 64006522 | | | | |
| | | 80A | 64006511 | | 64006523 | 64006522 | | | | |
| Gouging | | 90A-100A | 64006512 | | 64006523 | 64006522 | | | | |
| | | Tip B | 64006517 | | 64006523 | | | | 64006524 | |
| | Tip C | 64006518 | | 64006523 | | | 64006524 | | | |
| 120 Amps | Standoff Cutting | 70A | 64006514 | 64006513 | 64006519 | | 64006523 | | | 64006524 |
| | | 80A | | | 64006527 | | 64006523 | | 64006525 | 64006524 |
| | | 90A-100A | | | 64006512 | | 64006523 | | 64006525 | 64006524 |
| 120 Amps | Drag Shield Cutting | 70A | 64006514 | 64006513 | 64006517 | | 64006523 | | | 64006524 |
| | | 80A | | | 64006518 | | 64006523 | | | 64006524 |
| | | 90A-100A | | | 64006519 | | 64006523 | | | 64006524 |
| 120 Amps | Gouging | 70A | 64006514 | 64006513 | 64006520 | | 64006523 | | | 64006524 |
| | | 80A | | | 64006511 | | 64006523 | | | 64006524 |
| | | 90A-100A | | | 64006512 | | 64006523 | | | 64006524 |
| NEW MC40 Consumables (for use with NEW CUTMASTER 42) | | | | | | | | | | |
| 10-40 Amps | Drag Cutting Tip | 40A | 64006536 | 64006537 | 64006533 | 64006538 | | | | |
| | | 20A | | | 64006534 | | | | | |
| | | 40A | | | 64006533 | | | | | |

| Gouging Profiles | | | | |
|------------------|---------------|----------|----------|---------|
| | Output Range | Depth | Width | Profile |
| Tip A | 40 Amps (MAX) | Shallow | Narrow | |
| Tip B | 50-100 Amps | Deep | Narrow | |
| Tip C | 60-120 Amps | Moderate | Moderate | |
| Tip D | 60-120 Amps | Shallow | Wide | |



Torch Adapter Kit Selection Guide

Torch Adapter Kits

The model of the plasma cutting system must be known to determine the adapter kit required.

| Manufacturer | Power Supply Model | Catalog Number | Manufacturer | Power Supply Model | Catalog Number |
|-----------------------|--|----------------|--------------------------|---|----------------|
| AIRCO®/BOC® | PCS-43 | 64006540 | MARQUETTE® | 12/150, 12/200 | 64006559 |
| | PCS-53, PCS-80, PCS-90 | 64006547 | MATCO® | 2020*, 2050* | 64006569 |
| CEBORA® | Pocket 25 | 64006559 | MILLER® | Plazcut 60†/Zipcut | 64006544 |
| CENTURY® | 82020*, 82050*, M2050* | 64006559 | | Spectrum® 250D, 500, 750 | 64006545 |
| | 82100 | 64006543 | | Spectrum® 700, 1000, 1250, PLUS | 64006543 |
| DAIHEN® | SC-60P | 64006544 | | Spectrum® 3080* | 64006553 |
| DAYTON® | 3W722A*, 5Z031B* | 64006559 | | Spectrum® 650*, 701*, 2050* | 64006554 |
| ESAB® (yellow) | PCM-SMi, 500i, 625i, PCS-43 | 64006540 | | Spectrum® 300* | 64006559 |
| | PCS-53, 80, 90 | 64006547 | POWCON® | Starcut | 64006543 |
| | ESP-100i | 64006541 | SNAP-ON® | YA-3230, YA-3440 | 64006543 |
| | PCM-750i, 875, 1000i, 1125 | 64006542 | | YA-2230*, YA-5550*, YA-5550A* | 64006559 |
| | Powercut® 650 | 64006557 | SOLAR® | SOL 2020* (118-009, 118-010), SOL 2050* (118-015, 118-016) | 64006559 |
| | Powercut® 875, 1125 | 64006558 | | SOL 2105, SOL 2106 | 64006543 |
| | Powercut® 1250, 1500 | 64006556 | THERMAL DYNAMICS® | PAK® 3XR, 5XT, 5XR, 6XR, 7XR, 625XR, 750XR | 64006549 |
| | Sidewinder 30, 55, 105 | 64006546 | | PAK® 8XR, 10XR, 1000XR, 1250XR, PakMaster® 75, 100 | 64006546 |
| HOBART® | Smoothcut 30, 625 | 64006540 | | PakMaster® 50XL/XLP, 75XL/XLP, 100XL/XLP | 64006550 |
| | Smoothcut 50 (single gas), 100 | 64006541 | | CUTMASTER® 50, 75, 80XL, 100 | 64006548 |
| | Cybercut 2050* | 64006554 | | PakMaster® 25, 38XL, EconoPAK® 25 | |
| HYPERTHERM® | Max® 40, HT® 40 (H/F Start) | 64006543 | | Drag-Gun® 38, PAK® 4Xi, 6Xi | |
| | Max® 70, Max® 80, Max® 100 w/ & w/o Q.D. | 64006551 | | PAK® 2XT, Dynapak® 110 | |
| | Max® 42*, 43*, 40cs* | 64006552 | | | |
| | powermax® 600*, 800*, 900* w/ Q.D. | 64006555 | | | |
| | powermax® 1100* | 64006559 | | | |
| | powermax® 1000*, 1250* | 64006560 | | | |
| | Max® 40cs* (w/o Q.D.) | 64006559 | | | |
| | powermax® 380* | 64006560 | | | |
| L TEC® (green) | PCM-31, SMi, 32i/34i, VPi | 64006540 | | | |
| | PCM-500i, 625i, PCS-80i | 64006541 | | | |
| | PCM-50A, 70, 80, 52i/54i, 82i/84i | 64006541 | | | |
| | ESP-100i, PCM-50, PCM-100 (Single Gas) | 64006543 | | | |
| | PCM-50, PCM-100 (Dual Gas) | 64006547 | | | |
| | PCS-40 | 64006543 | | | |
| | PCM-750i, 1000i | 64006547 | | | |

*Non-HF Systems.

†The Miller PlazCut machines with Serial Numbers beginning JE are not compatible with Radnor MasterCut Torches.

NOTES: Each Adapter Kit includes connection fitting, electrical connectors and installation instruction sheets for the selected power supply.

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Accessories

TORCH CUTTING GUIDES / GUIDE KITS

Universal Standoff Cutting Guide

Cat. No. 64006528

A great new standoff guide specifically designed to fit all shield cup designs for the MC60® and MC100® RPT® torches. Adjustable standoff height.



MISCELLANEOUS TORCH ACCESSORIES

ATC® Lead Extensions

15 ft. (4.6m) 64006580
25 ft. (7.6m) 64006581
50 ft. (15.2m) 64006582

Available for any system using Radnor Mastercut with ATC Quick Disconnect. Leads Extensions enable you to customize your lead length to suit the cutting job.

